ABSTRACT

Improved color image display accuracy can be achieved across a computer network by obtaining information characterizing the color response of display devices associated with a client residing on the computer network, and using the information to modify color images delivered to the client. The modifications can be designed to compensate for the color response of the individual display device associated with the client. The display device may take the form of a cathode ray tube monitor, flat panel display, or similar color image display device. The information can be obtained, for example, by guiding the client through a color profiling process that profiles the color response of the display device. For example, such guidance may take the form of a series of instructional web pages that are delivered to the client. The web pages can be made interactive to enable collection of color characterization data from the client. The color characterization data can be used to estimate a variety of information concerning display device characteristics such as gamma, black point, gray balance, and the like.